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WATER SUPPLY OUTLOOK FOR UTAH



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES
-- DIVISION OF WATER RIGHTS

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

AS OF
APR. 1, 1976

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: SURVEYOR ENROUTE TO THE MT. BALDY ARIZONA SNOW COURSE
SCS PHOTO AZ-5460

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 111, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR UTAH

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

Issued by

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In Cooperation with

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STATE ENGINEER
DIVISION OF WATER RIGHTS
UTAH STATE DEPT. OF NATURAL RESOURCES

|||||

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SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
4012 FEDERAL BUILDING
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WATER SUPPLY OUTLOOK

as of

APRIL 1, 1976

* * * * *
* Utah's 1976 Water Supply Outlook ranges from poor on the Lower *
* Beaver to above average on the Lower Weber, Ogden and Lower *
* Bear Rivers. Snow cover ranges from 73% of average on the San *
* Rafael to 125% on the San Juan near Blanding. Reservoir storage *
* is now 129% of the April 1 average and 5% better than last year. *
* * * * *

SNOW COVER

Snow cover generally gained in the northern third of the state while decreasing in comparison to average in the southern two-thirds of the state. San Rafael tributaries now have 73% of the April 1 average, Beaver River 78%, Virgin 102%, Upper Sevier 117%, Lower Sevier 89%, and Price 92%. Uintah Basin ranges from 79% on Rock Creek to 101% on Ashley Creek. Utah Lake tributaries average 105% and Jordan River tributaries 113% of the April 1 average. Weber Basin is 107% and Ogden 113% of average. The Bear River is 112% above Harer and 122% for the lower basin. Logan River snow cover is now 120% of average.

PRECIPITATION

Precipitation at mountain stations ranged from 39% of average at Little Grassy in the south-west corner of the state to 195% at Garden City Summit on the Logan River.

SOIL MOISTURE

Soils under the snow pack are generally drier than average in southern and eastern Utah and near average over the remainder of the state.

RESERVOIR STORAGE

Storage in 24 key Utah reservoirs, excluding those of the Colorado River Project, is now 129% of average and 105% of last year on April 1.

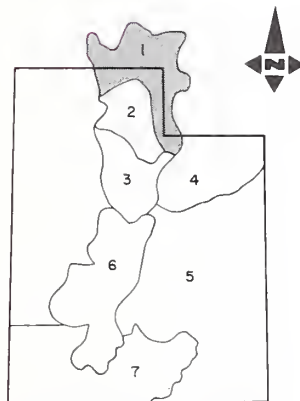
STREAMFLOW FORECASTS

Streamflow forecasts for the spring and summer runoff period now range from 26% of average for Minersville Reservoir Inflow to 152% of average on Hardscrabble Creek near Porterville. Tributaries of the Lower Weber, Ogden, and Lower Bear are forecast between 113% and 152%. Uintah Basin streams range from 67% to 90% and central Utah streams range from 60% to 80%. Utah Lake tributaries range from 102% on the Upper Provo to 119% on Spanish Fork. Some water supply shortages can be expected on the Lower Beaver and possibly San Rafael and Uintah Basin streams without adequate reservoir storage.

WATER SUPPLY OUTLOOK

BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



WATERSHED LOCATION



APRIL 1, 1976

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER improved during March and now ranges from 112% on the Upper Bear to 122% on the Lower Bear. Logan River is 120% of the April 1 average and Raft River Mountains of N.W. Utah are 110% of the 15 year average.

PRECIPITATION at mountain stations ranged from 110% on the Upper Bear to almost twice average on the Lower Bear.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS improved during March and now range from 98% of average on the Bear at Utah-Wyoming state line to 131% for Big Creek near Randolph. Bear at Harer is 113%, Cub River near Preston 120%, Logan 115%, Blacksmith Fork 114%, and Little Bear 126% of the 15 year average. Mean daily peak flows are expected to be a little above average, but are not expected to be damaging if normal temperatures and precipitation occur during the snow melt period.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average +
BEAR RIVER					
Bear at Harer, Idaho ¹	336	113	Apr-Sept	- -	297
Bear nr Randolph	116	114	Apr-July	145	102
Bear nr Ut-Wy State Line	110	98	Apr-July	140	112
Bear nr Woodruff	137	105	Apr-July	186	131
Big Creek nr Randolph, Utah	5.6	131	Apr-July	- -	4.28
Blacksmith Fork nr Hyrum	55	114	Apr-July	63	48
Little Bear nr Paradise	43	126	Apr-June	53	34
Logan nr Logan ¹	130	115	Apr-July	140	113
Smith's Fork nr Border, Wyo.	135	116	Apr-Sept	- -	116
Thomas Fork nr Ut-Wy State Ln	40	124	Apr-Sept	- -	32
Woodruff Crk nr Woodruff, Ut	15.4	104	Apr-July	21	15.4
Cub River nr Preston, Idaho	60	120	Apr-Sept	- -	50
1 - Observed flow corrected for change in storage and diversions					
b - Average of all past record - less than 15 years					

BEAR RIVER BASIN in UTAH

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
UPPER BEAR RIVER	11	102	112
LOWER BEAR RIVER	21	101	122
LOGAN RIVER	6	110	120
RAFT RIVER	7	79	110

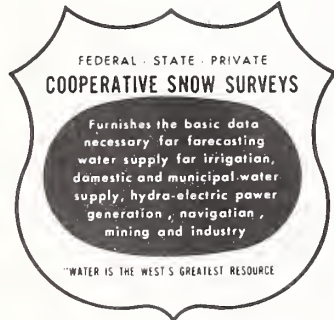
RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
BEAR RIVER	Bear Lake	1421.0	1034.8	1110.5	976.4
	Woodruff Narrows	26.5	26.5	26.5	24.5
LITTLE BEAR	Hyrum	15.3	10.4	10.3	12.9
	Porcupine	11.3	7.0	5.5	4.9
+ - 1958-72 15 Year Average Period					

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Big Creek nr Randolph	50-100	41b
Little Bear nr Paradise	525-650	473
Logan River nr Logan	900-1200	984
Woodruff Creek nr Woodruff	250-375	240

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WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



APRIL 1, 1976

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER is now 107% of average on the Weber and 113% on the Ogden watershed, but less than last year at this time.

PRECIPITATION at mountain stations ranged from 75% of average on Lost Creek during March to 145% at Dry Bread Pond on the Ogden.

SOIL MOISTURE is near average.

RESERVOIR STORAGE is above average with some water being released to make room for spring runoff.

STREAMFLOW FORECASTS range for 98% of the April-June average for the Weber at Oakley to 152% of average for Hardscrabble Creek. Pineview Inflow is expected to be 127% of the 15 year average, Lost Creek 131%, Chalk Creek 128%, and East Canyon 136%. Rockport Inflow and the Weber near Coalville are 99% of average. Farmington Creek is expected to be 120% of its April-July average. Water supplies are expected to be adequate on the Upper Weber and more than adequate for all uses on other streams of the area. Mean daily peak flows are expected to be higher than average, but not as high as last year, and are not expected to be damaging if normal temperature and precipitation occur during the melt period.

Report prepared by
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WEBER-OGDEN WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>WEBER-OGDEN RIVERS</u>					
Chalk Creek at Coalville	.41	128	Apr-June	50	32
East Canyon Creek nr Morgan ¹	30	136	Apr-June	45	22
Hardscrabble Crk nr Porterville	22	152	Apr-June	- -	14.4b
Lost Creek nr Croydon, Utah	18.0	131	Apr-June	22	13.7
Pineview Reservoir Inflow ²	140	127	Apr-June	181	110
South Fork Ogden nr Huntsville	68	136	Apr-June	79	50
Rockport Reservoir Inflow ¹	113	99	Apr-June	- -	114
Weber nr Coalville	112	99	Apr-June	- -	113
Weber nr Oakley	98	98	Apr-June	104	100
<u>JORDAN RIVER & SALT LAKE</u>					
Farmington Crk nr Farmington	9.4	120	Apr-July	- -	7.8
1 - Observed flow corrected for change in storage and diversions					
2 - Inflow record as computed by U.S. Bureau of Reclamation					
b - Average of all past record - less than 15 years					

1 - Observed flow corrected for change in storage and diversions
 2 - Inflow record as computed by U.S. Bureau of Reclamation
 b - Average of all past record - less than 15 years

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average †
OGDEN RIVER	6	73	113
WEBER RIVER	11	82	107

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
OGDEN	Causey	6.9	1.7	1.5	2.8
	Pineview	110.1	53.6	67.7	44.7
WEBER	East Canyon	48.1	31.4	40.0	21.0
	Echo	73.9	52.0	65.3	45.7
	Lost Creek	20.0	14.2	13.4	12.0
	Rockport	60.9	44.4	32.7	27.1
	Willard Bay	193.3	165.3	156.9	136.5

+ - 1958-72 15 Year Average Period

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Chalk Creek nr Coalville	550-800	373
Lost Creek nr Croydon	225-350	206b
South Fork Ogden nr Huntsville	750-950	697

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WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



APRIL 1, 1976

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 105% of average on Utah Lake drainages to 113% on streams draining into the Jordan River near Salt Lake and Tooele Valley watersheds.

PRECIPITATION at mountain stations ranged from 75% of average at Payson Ranger Station to 136% at Parley's Summit above Salt Lake City.

SOIL MOISTURE is a little below average.

RESERVOIR STORAGE is above average. Utah Lake is now 0.7 foot above compromise and still releasing all the river will carry. Great Salt Lake gained 0.45 foot in March and is now 4201.65 feet above mean sea level.

STREAMFLOW FORECASTS range from 96% of average for Strawberry Inflow to 132% of average for Parley's Creek and Emigration Creek. Utah Lake Inflow is forecast 108% with the Provo below Deer Creek Dam 105% and Spanish Fork 119%. American Fork is forecast 114%, Cottonwood Creeks 111%, Mill Creek 128% and City Creek 122% of the April-July average. Vernon Creek and Settlement Creek are expected to be just average this season.

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM AND/or FORECAST POINT	THIS YEAR		PAST RECORD		
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average ⁺
<u>PROVO RIVER & UTAH LAKE</u>					
American Fork nr American Frk	33	114	Apr-July	45	29
Hobble Creek nr Springville	16.0	100	Apr-July	- -	16
Provo nr Hailstone ¹	104	102	Apr-July	- -	102
Provo below Deer Creek Dam ¹	117	105	Apr-July	- -	111
Spanish Fork at Thistle	38	119	Apr-July	- -	32
Strawberry Reservoir Inflow ¹	43	96	Apr-July	- -	45
Utah Lake Inflow	225	108	Apr-July	- -	208
Payson Creek nr Payson	7.0	111	Apr-July	- -	6.3b
<u>JORDAN RIVER & SALT LAKE</u>					
Big Cottonwood nr SLC	40	111	Apr-July	50	36
Farmington Crk nr Farmington	9.4	120	Apr-July	- -	7.8b
Little Cottonwood Crk nr SLC	39	111	Apr-July	- -	35
Parley's Creek nr SLC	15.5	132	Apr-July	22	11.7
Mill Creek nr SLC	7.3	128	Apr-July	- -	5.7
Emigration Creek nr SLC	4.1	132	Apr-July	- -	3.1
City Creek nr SLC	8.4	122	Apr-July	- -	6.9
<u>TOOELE VALLEY</u>					
Settlement Creek nr Tooele	2.3	107	Apr-July	- -	2.2b
Vernon Creek nr Vernon	0.6	100	Apr-July	- -	0.6b
1 - Observed flow corrected for change in storage and diversions					

1 - Observed flow corrected for change in storage and diversions

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PROVO RIVER & UTAH LAKE	14	79	105
JORDAN RIVER & SALT LAKE	3	85	113
TOOELE VALLEY	3	79	113

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin of Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average [†]
<u>SPANISH FORK</u>	Strawberry	270.0	247.0	214.8	119.2
<u>PROVO RIVER</u>	Deer Creek	149.7	97.4	97.5	95.8
<u>UTAH LAKE</u>	Utah Lake	883.9	951.2	835.8	642.3
	Settlement Creek	1.2	1.1	1.1	- -
	Vernon Creek	0.6	0.6	0.6	- -

+ - 1958-72 15 Year Average Period

b - Average of all past record - less than 15 years

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average [†]
Hobble Creek nr Springville	100-300	210
Spanish Fork nr Thistle	350-525	365
Parleys Creek nr Salt Lake City	75-150	116

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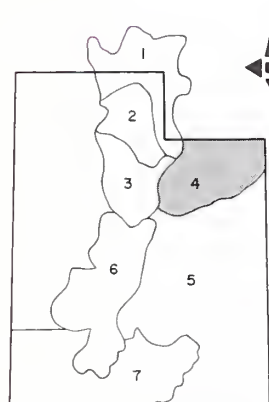
WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

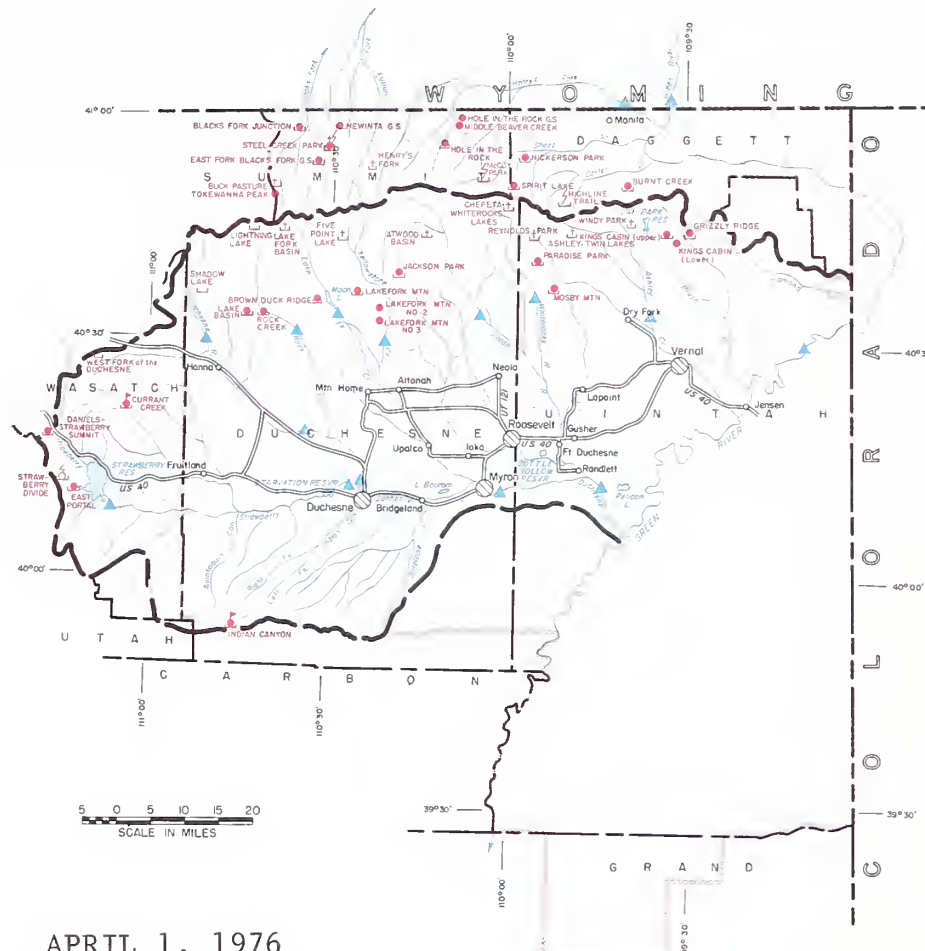
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LEGEND

- Watershed Boundary
- S. C. D. Boundary
- County Boundary
- ▲ Forecast Point
- Snow Course
- + Aerial Marker
- Soil Moisture Station
- SCS Precipitation Gage
- NWS Precipitation Gage
- Temperature Gage
- Snow Sensor
- ⚡ Radio Telemetry
- Radio Base Station
- △ Radio Relay Station
- Snow Sensor with Snow Course



WATERSHED LOCATION



APRIL 1, 1976

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER ranges from 87% of the April 1 average on Lakefork-Yellowstone drainages to 101% on Ashley-Brush Creeks. Strawberry and Uintah-Whiterocks are now 95% of average.

PRECIPITATION at mountain stations ranged from 73% of the March average on the south slope of the Uintahs to 111% on the north slope.

SOIL MOISTURE is below average.

RESERVOIR STORAGE is above average and better than a year ago on April 1.

STREAMFLOW FORECASTS now range from 67% of the April-July average on Uintah River to 122% for Inflow to Flaming Gorge Reservoir. Ashley Creek is forecast 90% of average, Whiterocks 69%, Lakefork and Yellowstone 77%, and Duchesne at Tabiona 84%. Strawberry River is forecast at 89% and Currant Creek near Fruitland 80%. Henry's Fork at Linwood is forecast 100% of average and Black's Fork near Millburne 101% for the April-July period.

UINTAH BASIN and DAGGETT SCD's in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST	FORECAST		THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>DUCHESNE RIVER</u>					
Duchesne nr Tabiona ¹	87	84	Apr-July	- -	104
Duchesne at Duchesne ¹	151	82	Apr-July	- -	185
Duchesne at Myton ¹	160	78	Apr-July	- -	205
Duchesne at Randlett ¹	165	75	Apr-July	- -	220
Lakefork below Moon Lake ¹	53	77	Apr-July	- -	69
Rock Creek nr Mtn. Home	80	85	Apr-July	- -	94
Strawberry at Duchesne	50	89	Apr-July	- -	56
Uintah nr Neola	59	67	Apr-July	- -	88
Whiterocks nr Whiterocks	40	69	Apr-July	- -	58
Yellowstone nr Altonah	50	77	Apr-July	- -	65
Currant Creek nr Fruitland	16.0	80	Apr-July	- -	20
<u>FLAMING GORGE TO DUCHESNE RIVER</u>					
Ashley Creek nr Vernal	45	90	Apr-July	- -	50
Henry's Fork at Linwood	45	100	Apr-Sept	- -	45
Flaming Gorge Inflow ¹	1429	122	Apr-July	1635	1174
Blacks Fork nr Millburne	95	101	Apr-July	- -	94

1 - Observed flow corrected for change in storage and diversions

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
DUCHESNE RIVER	10	75	91
STRAWBERRY RIVER	4	78	95
LAKEFORK-YELLOWSTONE	2	68	87
UINTAH-WHITEROCKS	2	94	95
ASHLEY-BRUSH CREEKS	2	127	101

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>ASHLEY CREEK</u>	Steinaker	33.3	29.2	18.7	22.3
<u>GREEN RIVER</u>	Flaming Gorge	3749.0	3332.3	3071.8	1588.0
<u>LAKE FORK</u>	Moon Lake	35.8	21.6	10.1	19.2
<u>STRAWBERRY</u>	Starvation	165.3	143.1	101.8	- -
<u>UINTAH</u>	Bottle Hollow	11.3	10.8	10.0	- -

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Ashley Creek nr Vernal	725-1075	906
Strawberry at Duchesne	300-675	628

b - Average of all past record - less than 15 years

+ - 1958-72 15 Year Average Period

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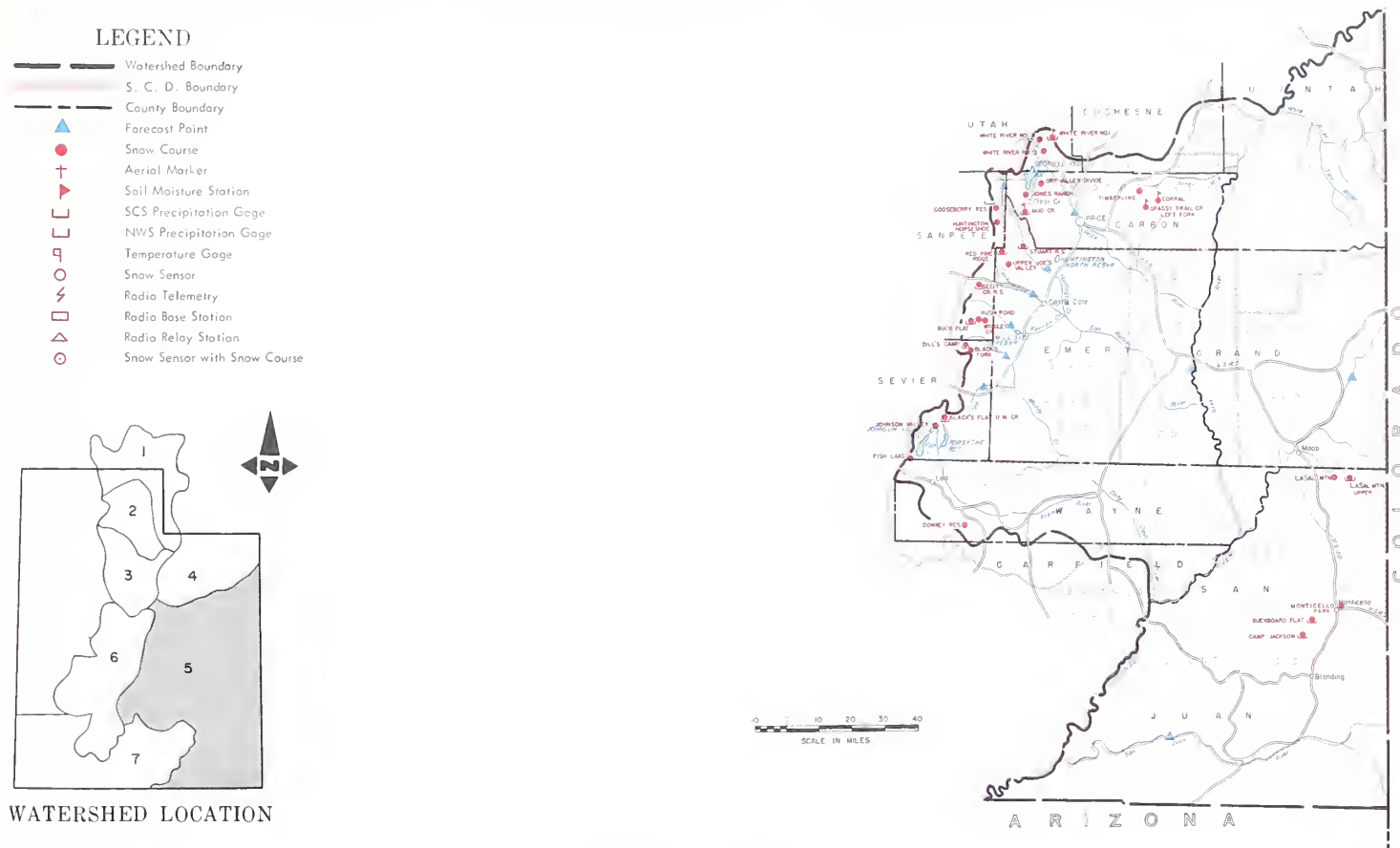
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WATER SUPPLY OUTLOOK

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS



APRIL 1, 1976

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER ranges from 73% of average on the San Rafael drainages to 125% on San Juan in Utah. Price River is 92% and Mill Creek above Moab is 94% of the April 1 average.

PRECIPITATION at mountain stations ranged from 56% of the March average at Indian Canyon to 119% above Moab.

SOIL MOISTURE is below average.

RESERVOIR STORAGE is above average and better than last year on April 1.

STREAMFLOW FORECASTS range from 69% of the April-July average on Huntington Creek to 115% for the San Juan near Bluff. Scofield Inflow is forecast 94%, Cottonwood and Muddy Creeks 70%, and Ferron Creek 71%. Mill Creek near Moab 94%, Seven Mile Creek near Fish Lake 91%, Green River 96% and the Colorado at Cisco 109% of the April-July average.

CARBON, EMERY, WAYNE, GRAND and SAN JUAN COUNTIES in UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>PRICE RIVER</u>					
Gooseberry Creek nr Scofield	9.9	99	Apr-July	- -	10.0
Price nr Heiner	54	84	Apr-July	- -	64b
Scofield Reservoir Inflow	32	94	Apr-July	- -	34
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	32	70	Apr-July	- -	46b
Ferron Creek nr Ferron	25	71	Apr-July	46	35
Huntington Creek nr Huntington	31	69	Apr-July	62	45
<u>MUDDY CREEK</u>					
Muddy Creek nr Emery	11.9	70	Apr-July	25	17.0
<u>UPPER COLORADO BASIN</u>					
Colorado nr Cisco, Utah	3083	109	Apr-July	4038	2835
Green at Green River, Utah	2733	96	Apr-July	4082	2839
Navajo Reservoir Inflow	680	114	Apr-July	- -	597
San Juan nr Bluff, Utah	985	115	Apr-July	- -	853
Mill Creek nr Moab	4.6	94	Apr-July	6.2	4.9
<u>FREMONT RIVER</u>					
Seven Mile Creek nr Fish Lake	5.8	91	Apr-July	- -	6.4b

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PRICE RIVER	7	69	92
MILL CREEK	2	78	94
SAN JUAN RIVER	2	95	125
SAN RAFAEL RIVER	8	61	73
1 - Observed flow corrected for change in storage and diversions			

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin of Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>PRICE RIVER</u>	Scofield	65.8	45.5	34.5	31.0
<u>SAN RAFAEL</u>	Huntington North	3.9	4.2	3.9	2.9
	Joe's Valley	54.6	49.5	36.8	32.9
	Mill Site	16.7	6.4	4.3	- -
<u>SAN JUAN</u>	Navajo	1696.0	1090.8	968.4	- -
+ - 1958-72 15 Year Average Period					
b - Average of all past record - less than 15 years					

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Ferron Creek nr Ferron	225-350	419
Muddy Creek nr Emery	70-140	157

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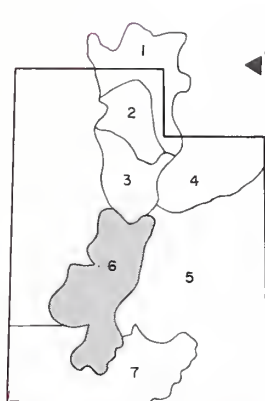
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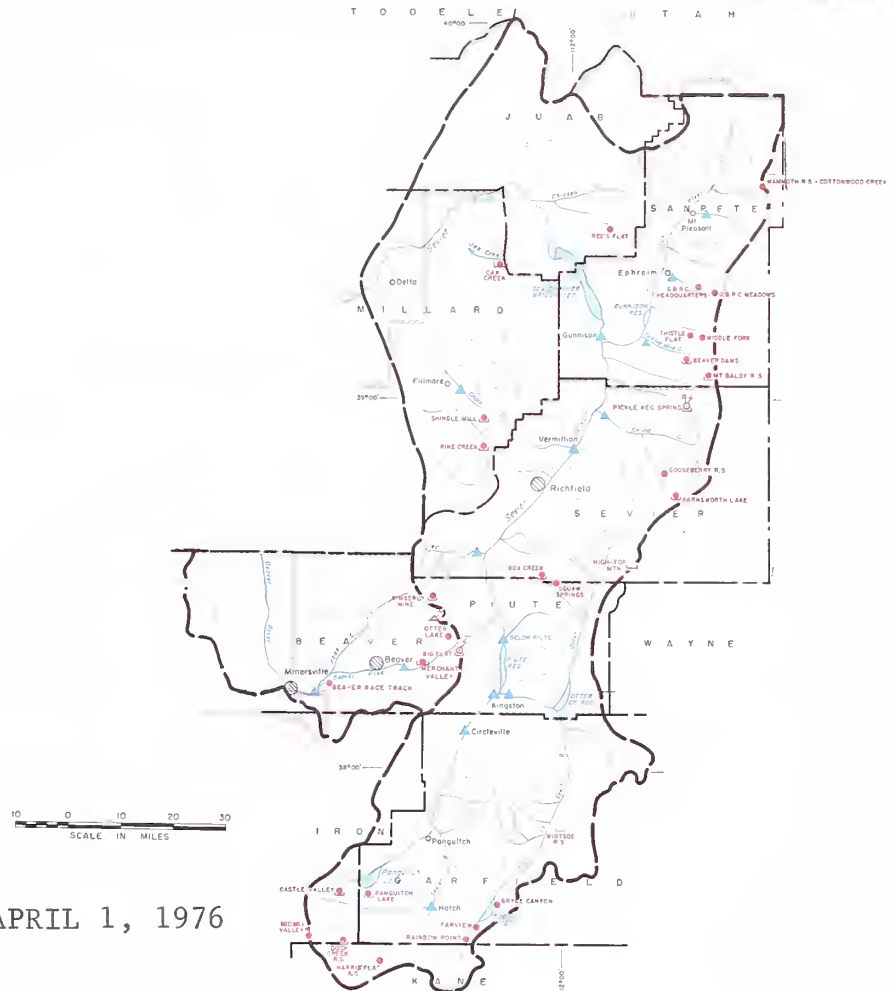
WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

**UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES-DIVISION OF WATER RIGHTS**



WATERSHED LOCATION



APRIL 1, 1976

THE WATER SUPPLY OUTLOOK IS BELOW AVERAGE

SNOW COVER improved on the Upper Sevier and is now 110% of the April 1 average. The Lower Sevier is 89%, Beaver River is only 78% of average and Chalk Creek above Fillmore is 98% of average.

PRECIPITATION at mountain locations ranged from 49% of average at Beaver Dams on Twelve Mile Creek to 137% at Box Creek above Koosharem.

SOIL MOISTURE varies from below average on the Upper Sevier and Beaver Rivers to near average on the Lower Sevier.

RESERVOIR STORAGE is above average on the Sevier and near average for Minersville Reservoir on the Beaver. Minersville and Sevier Bridge are not expected to fill this year.

STREAMFLOW FORECASTS now range from 26% of average for Minersville Inflow to 114% for the Sevier near Circleville. The Sevier is forecast 93% at Hatch and 100% at Kingston. The East Fork Sevier is 81%, Antimony 89%, and Clear Creek 71% of the April-July average. Salina Creek is forecast 70% of average and the Sevier near Gunnison 67%. San Pitch streams, Ephraim Creek and Pleasant Creek are 82% and 83% respectively. Beaver River is forecast 60% of average and Chalk Creek 73% of average. Winter inflow to Sevier Bridge was about 96,700 acre feet and flow on the Lower Sevier above 360 cfs is expected to be only 400-1600 acre feet. Water supply shortages are expected on some streams without reservoir storage.

Report prepared by
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SEVIER RIVER BASIN including BEAVER RIVER in UTAH						SUMMARY of SNOW MEASUREMENTS			
STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD		RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET				Last Year	Average
	Thousand Acre Feet	Percent of Average		Last Year	Average †				
<u>SEVIER RIVER</u>						UPPER SEVIER	12	103	110
Chalk Creek nr Fillmore	11.3	73	Apr-July	- -	15.5b	EAST FORK SEVIER	6	100	99
Clear Crk nr Sevier (abv Div)	10.6	71	Apr-July	28	15.0	SOUTH FORK SEVIER	6	105	117
East Fork Sevier nr Kingston ¹	11.6	81	Apr-July	- -	14.4	LOWER SEVIER	13	74	89
Antimony Creek nr Antimony Inflow	6.5	89	Apr-July	- -	7.3	CHALK CREEK	2	78	98
Kingston to Vermillion Dam	34	68	Apr-June	- -	50	BEAVER RIVER	2	79	78
Vermillion Dam to Gunnison	30	77	Apr-June	- -	39				
Salina Creek at Salina	5.7	70	Apr-June	24	8.1b				
Sevier nr Circleville	32	114	Apr-July	- -	28				
Sevier nr Gunnison	26	67	Apr-July	55	39				
Sevier at Hatch	38	93	Apr-July	35	41				
Sevier nr Kingston	21	100	Apr-July	16	21				
Sevier below Piute Dam ¹	30	91	Apr-July	- -	33				
<u>SAN PITCH RIVER</u>									
Ephraim Creek nr Ephraim	11.4	82	Apr-July	- -	13.9b				
Pleasant Creek nr Mt. Pleasant	6.5	83	Apr-July	- -	7.8				
<u>BEAVER RIVER</u>									
Beaver nr Beaver	11.9	60	Apr-July	18.4	20				
Minersville Reservoir Inflow ¹	1.5	26	Apr-June	- -	5.8				
1 - Observed flow corrected for change in storage and diversions									

1 - Observed flow corrected for change in storage and diversions

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

RESERVOIR STORAGE (THROUGH NOV. 1972)					
Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
<u>SEVIER RIVER</u>	Gunnison	18.2	18.2	18.2	14.9
	Otter Creek	52.5	46.8	36.2	34.0
	Piute	71.8	53.8	47.0	46.8
	Sevier Bridge	236.0	197.6	178.7	116.1
<u>BEAVER RIVER</u>	Minersville (Rky	23.3	14.5	12.4	14.3
	Fd)				
b - Average of all past record - less than 15 years					
+ - 1958-72 15 Year Average Period					

FORECAST DATE of LOW FLOW VALUES

FORECAST POINT	Low Flow Value Second/Ft.	Forecast Date Stream Will Recede to Low Flow Value	Average Date of Low Flow Value
Sevier at Hatch	100	July 6	July 10
Sevier at Circleville	90	June 22	June 24
Clear Crk nr Sevier (Abv Div.)	5	July 18	July 28
Salina Creek at Salina	25	June 3	June 10

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Beaver nr Beaver	75-175	212
Clear Creek nr Sevier	110-160	170
Salina Creek nr Salina	100-225	235
Sevier River at Hatch	425-550	418
Sevier River at Circleville	300-475	304
Sevier River at Kingston	250-400	263

PRIMARY WATER RIGHT FORECASTS (PERCENT OF WATER RIGHT DELIVERED)

RIVER SECTION	Percent Forecast For This Year	Average Percent Delivered During 15 year Period †	Forecast Period
SEVIER RIVER			
Panguitch Valley	96	82	April-Sept.
Circle Valley	77	65	April-Sept.
Sevier Valley	48	38	April-Sept.
Below Vermillion Dam	50	55	April-Sept.

Inflow to Sevier Bridge Reservoir October 1 to March 31 was about 96,700 acre feet.

Below Vermillion - Flow above 360 second feet should total 400-1600 acre feet.

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Report prepared by
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STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
<u>COAL CREEK</u>					
Coal Creek nr Cedar City	16.2	101	Apr-July	16.1	16.1
<u>UPPER COLORADO</u>					
Lake Powell Inflow	7109	103	Apr-July	10407	6881
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	44	92	Apr-June	46	48b
Santa Clara nr Pine Valley	3.8	105	Apr-June	4.4	3.6b

SUMMARY of SNOW MEASUREMENTS

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
COAL CREEK	3	87	112
PAROWAN CREEK	5	108	116
VIRGIN RIVER	2	80	102
ENTERPRISE TO NEW HARMONY	2	60	114

RESERVOIR STORAGE (Thousand Acre Feet) MID-MONTH READING

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average †
<u>COLORADO</u>	Lake Powell	25002.0	19738.0	17295.0	8462.1
	Blue Mesa	829.5	423.2	328.5	- -
b - Average of all past record - less than 15 years + - 1958-72 15 Year Average Period					

PEAK FLOWS

FORECAST POINT	PEAK FLOW (SECOND FEET)	
	Forecast Range	Average †
Coal Creek	175-300	245
Virgin River	550-800	631b

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SNOW

SNOW	THIS YEAR					PAST RECORD		PRECIPITATION (Inches)					
	DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE			
					Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average	
GREAT BASIN													
UPPER BEAR RIVER (Including Harer, Idaho)													
Big Park	3/25	73	22.8	24.0	21.2								
Burts-Miller Ranch	3/30	19	5.6	7.8	5.9	3/30	1.80	- -	9.53	9.03a	106		
CCC Camp	4/1	50	16.4	15.6	12.2								
Hayden Fork	3/30	53	15.7	19.3	16.2	3/30	4.03	- -	20.24	20.48a	99		
Kelly Ranger Station	3/25	66	20.7	21.8	18.9								
LaBarge Guard Station	4/1	102	36.9	30.8	- -								
Monte Cristo Ranger Station	3/31	65	24.7	29.7	26.0	3/31	6.51	4.73b	27.60	27.62b	100		
Piney-LaBarge #2	3/31	76	27.6	24.3	23.8								
Poison Meadows	4/1	103	36.0	28.2	30.8								
Salt River Summit	4/1	64	22.4	19.8	16.2	4/1	5.06	2.57	20.25	16.74	121		
Snyder Basin	3/31	63	20.8	17.1	16.6								
Stillwater Camp	3/30	41	10.9	11.8	11.3	3/30	2.78	- -	12.32	12.01	103		
LOWER BEAR RIVER (Below Harer, Idaho)													
Christensen Ranch	3/30	40	13.3	10.6	7.1								
Clarkston Mountain*						3/29	2.80	- -	- -	- -	- -		
Cliffs Canyon	3/30	35	10.6	- -	- -								
Cub River Ranger Station	3/30	38	14.5	12.0	6.1								
Daniels Creek	3/30	30	9.7	- -	- -								
Dry Basin	3/30	92	33.5	32.6	30.0a								
Dry Creek Flat	3/30	30	10.8	11.0	3.3	3/30	3.45	- -	- -	- -	- -		
Deer Springs*						3/29	4.40	- -	23.80a	- -	- -		
Emigrant Summit	3/30	81	28.0	28.6	25.4								
Emigration Canyon	3/30	45	15.4	13.5	10.7								
Franklin Basin*	3/30	81	30.8	28.7	28.0	4/1	Data Not Available						
Garden City Summit	3/30	63	20.8	17.5	19.2	3/30	5.93	3.04b	22.79	19.72b	116		
Horseshoe Basin	3/30	86	30.0	27.4	28.1a								
Klondike Narrows	3/30	61	22.8	24.5	20.5	4/1	Data Not Available						
Liberty Springs	3/30	113	42.0	40.8	36.8								
Little Bear (lower)	3/30	38	14.0	14.7	9.5	4/1	Data Not Available						
Little Bear (upper)	3/30	44	14.4	19.0	12.0								
Oxford Mountain	3/30	40	12.1	13.0	8.2								
Slug Creek Divide	4/1	68	22.3	20.2	16.7								
Steep Hollow #1	3/30	110	41.4	41.9	38.2								
Steep Hollow #2	3/30	78	29.6	31.7	28.8								
Strawberry Creek	3/30	43	13.6	13.5	10.0								
Strawberry Mink Divide	3/30	68	24.2	26.4	21.5								
Tony Grove Lake*	3/30	100	39.5	- -	- -	3/29	6.10	- -	34.60a	- -	- -		
Tony Grove Ranger Station	3/30	40	14.5	14.7	11.9	3/29	2.50	- -	- -	- -	- -		
Willow Flat	3/30	55	21.2	20.4	13.3	3/30	5.99	3.78b	24.37	22.80b	107		
Worm Creek	3/30	63	23.9	- -	- -								
RAFT RIVER													
Clear Creek Meadows	3/30	59	18.0	30.4	21.6								
George Peak	3/30	71	25.2	- -	- -								
One Mile Summit	3/30	22	5.3	8.0	8.0								
Vipont	3/30	52	17.5	16.5	14.4								
OGDEN RIVER													
Beaver Creek-Skunk Creek	3/31	35	14.0	18.9	11.5								
Ben Lomond (lower)	3/31	47	17.8	24.5	14.5	3/31	3.46	3.48	26.60	24.73	108		
Ben Lomond Peak*	3/31	95	38.2	46.7	34.9								
Causey Dam						3/31	2.18	2.28a	15.43	14.31a	108		
Cutler Creek	3/31	70	28.6	40.8	25.7b								
Dry Bread Pond	3/31	57	20.1	27.6	18.1	3/31	5.17	3.56b	23.73	20.77b	114		
Guilder's Peak*						3/29	2.60	- -	27.60a	- -	- -		
Magpie Flat*						3/29	3.50	- -	28.40a	- -	- -		
Middle Fork Ogden*						3/29	2.20	- -	24.10a	- -	- -		
Sagebrush Flat	3/31	5	1.6	6.0	1.6	3/31	2.01	2.28b	15.20	14.32b	106		
WEBER RIVER													
Beaver Creek Ranger Station	3/31	26	8.5	11.9	7.2								
Chalk Creek #1	3/30	70	21.1	23.8	22.4								
Chalk Creek #2*	3/30	57	16.4	17.2	15.3	4/1	Data Not Available						
Chalk Creek #3	3/30	29	8.1	8.8	7.4	3/30	3.27	2.59a	15.35	12.12a	127		

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)						
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE			
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average	
NAME												
WEBER RIVER (continued)												
Farmington Canyon (lower)	3/31	75	26.0	33.3	22.2	3/31	4.42	4.68	29.27	25.25	116	
Farmington Canyon (upper)	3/31	93	34.6	41.4	29.5							
Farmington Guard Station						3/31	4.78	- -	24.04	- -	- -	
Francis Canyon*						4/1	Data Not Available					
Hardscrabble*						4/1	Data Not Available					
Horse Ridge	4/2	Data Delayed		26.5	22.2							
Killfoil Creek	3/31	45	15.3	17.6	13.6a							
Lost Creek Reservoir	3/31	0	0.0	6.6	1.5a	3/31	1.19	1.58a	9.97a	- -	- -	
Park City Summit	3/30	98	39.9	45.8	- -							
Parley's Canyon Summit	3/29	69	20.1	24.9	17.9	3/29	5.24	3.86	24.94	22.02	113	
Redden Mine (lower)	3/31	51	17.1	21.4	18.5							
Redden Mine (upper)						3/31	4.33	3.71a	24.05	19.97a	120	
Sergeant Lakes (A)		Data Delayed										
Smith & Morehouse	3/30	44	13.4	14.1	13.2	3/30	3.55	3.15	19.15	18.09	106	
PROVO RIVER & UTAH LAKE												
Camp Altamont	4/1	36	15.4	23.8	13.1							
Clear Creek Ridge #1	3/30	55	19.0	20.3	18.0							
Clear Creek Ridge #2	3/30	47	14.7	14.7	13.2	3/30	2.80	2.78	15.20	15.30	99	
Clear Creek Ridge #3	3/30	17	6.6	7.8	5.5							
Dutchman Ranger Station	4/1	42	15.1	24.2	16.1	4/1	2.60	3.13b	12.65	20.95b	60	
East Shingle Lake (A)		Data Delayed										
Hobble Creek Summit	3/31	34	13.1	17.7	12.4	3/31	2.20	2.78	15.50	16.66	93	
Packard Canyon	3/31	27	10.2	12.8	8.2							
Payson Ranger Station	3/26	54	19.4	18.5	17.3	3/26	2.30	3.06	17.75	17.69	100	
Rock Bridge	3/26	41	13.5	12.7	10.8							
Soapstone Ranger Station	3/31	36	10.6	15.6	12.1	3/31	2.80	2.47	15.95	15.69	102	
South Fork Ranger Station	4/1	0	0.0	11.0	2.9							
Timpanogos Cave Camp	4/1	0	0.0	0.2	0.8							
Timapanogos Divide	4/1	64	25.1	30.6	22.5	3/31	2.40	- -	24.96	- -	- -	
Trial Lake	3/31	68	23.0	26.1	23.9	3/31	4.12	3.76	23.03	23.02	100	
JORDAN RIVER & SALT LAKE												
Beaver Creek Divide	3/31	28	9.0	- -	- -							
Bevan's Cabin	3/30	39	12.0	15.4	10.0							
Deseret Peak*						3/29	4.60	- -	28.40a	- -	- -	
Lamb's Canyon	3/29	61	17.8	21.4	14.6							
Lamb's Canyon #2	3/29	63	18.8	22.5	- -	3/29	3.98	- -	18.41	- -	- -	
Middle Canyon - Tooele	3/28	49	15.6	19.7	13.0	3/28	4.50	3.23b	19.32	16.65b	116	
Mill Creek	3/31	70	22.3	27.1	- -							
Mill D South Fork	3/30	61	22.1	27.4	19.4							
Rocky Basin-Settlement Canyon	3/26	77	27.0	33.8	25.3							
Silver Lake (Brighton)	3/30	79	26.3	29.4	24.8							
Vernon Creek	3/28	29	9.1	12.0	- -	3/28	2.00	- -	14.16	- -	- -	
UPPER SEVIER RIVER (South of Richfield, Utah)												
Box Creek	4/1	37	11.2	14.6	12.3	4/1	3.62	2.65	13.05	13.70	95	
Bryce Canyon	3/28	14	4.8	5.3	2.7							
Castle Valley	3/30	40	14.2	14.2	12.2	3/30	2.55	2.69	13.39	14.55	92	
Duck Creek Ranger Station	3/30	40	14.4	13.8	12.2	3/30	3.50	3.02b	15.75a	17.25b	91	
Farview	3/29	29	9.3	11.4	- -							
Harris Flat	3/30	22	9.9	8.3	6.6							
Kimberly Mine	3/30	56	16.4	14.5	15.0	3/30	2.35	4.08	18.76	17.32	108	
Midway Valley	3/30	56	21.1	23.5	20.8	3/30	2.75	- -	17.70	- -	- -	
Panguitch Lake	3/30	13	5.2	2.8	2.7	3/30	1.30	1.24	8.59	7.19	119	
Rainbow Point	3/29	21	7.2	13.9	- -							
Squaw Springs	4/1	20	5.7	9.2	6.4							
Widtsoe Escalante Summit	3/26	18	6.2	6.2	5.9							
Widtsoe Escalante #2	3/26	28	7.8	9.0	8.4							
Widtsoe Escalante #3	3/26	36	9.8	10.3	10.2	3/26	2.74	2.23	11.47	12.60	91	
Widtsoe Ranger Station						3/26	- -	- -	4.19	- -	- -	
LOWER SEVIER (Including San Pitch)												
Beaver Dams	3/29	30	9.7	14.2	11.0	3/29	1.35	2.75	9.90	13.27	75	
Farnsworth Lake	3/25	55	17.1	22.1	18.5	3/25	4.15	4.34	16.85	19.10	88	
G.B.R.C. Headquarters	3/31	44	13.5	19.1	15.9	3/31	3.15	3.29b	16.22	- -	- -	
G.B.R.C. Majors						3/31	1.70	- -	8.27	- -	- -	
G.B.R.C. Meadows	3/31	65	21.5	28.6	24.7	3/31	3.55	3.68b	18.19	- -	- -	

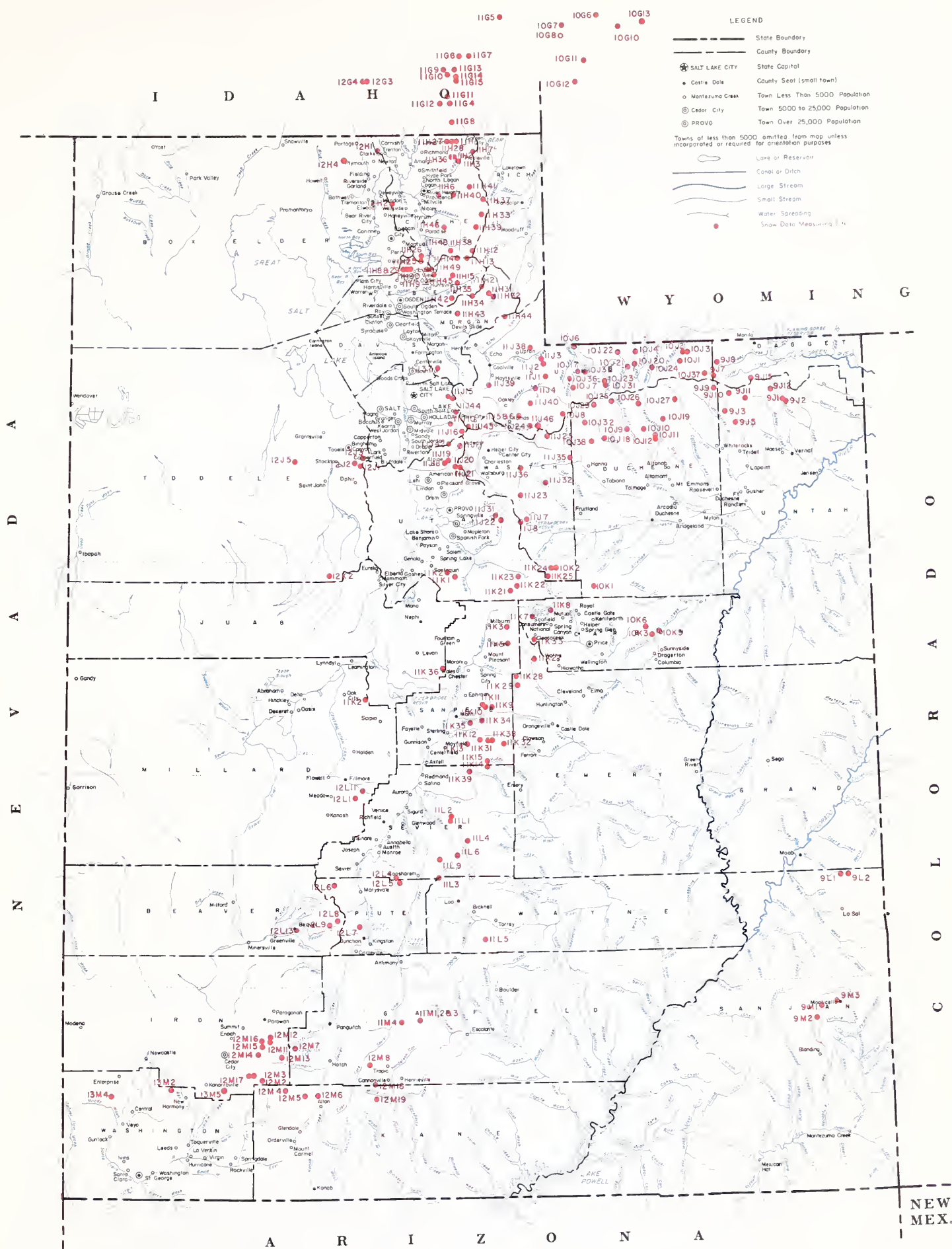
SNOW

SNOW	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)						
	DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
					NAME	Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †
LOWER SEVIER (continued)												
G.B.R.C. Oaks						3/31	2.20	- -	10.67	- -	- -	
Gooseberry Ranger Station	3/25	37	11.4	15.4	11.3	3/25	3.30	- -	12.55	- -	- -	
Mammoth R.S.-Cottonwood Crk	3/30	55	18.9	26.1	19.8	3/30	2.40	3.29b	18.05	18.64b	97	
Middle Fork	3/26	60	18.2	26.6	23.3							
Mt. Baldy Ranger Station	3/29	56	16.8	26.5	22.5	3/29	2.20	3.42b	12.55	17.28b	73	
Oak Creek	3/26	43	12.8	11.9	- -	3/26	2.39	2.18a	15.89	14.64a	108	
Pickle Keg Springs	3/24	35	11.0	16.9	15.3b							
Pine Creek	3/24	37	12.8	17.4	14.3	3/24	3.65	4.78	20.91	22.42	93	
Ree's Flat	3/23	42	12.9	12.2	12.1	3/23	1.75	- -	13.95	- -	- -	
Shingle Mill	3/24	28	9.5	11.2	8.5b	3/24	2.40	2.98b	12.86	13.71b	94	
Thistle Flat	3/26	48	15.3	19.6	15.8							
BEAVER RIVER												
Beaver Canyon Power House						3/31	1.78	1.83	7.42	8.90	83	
Beaver Race Track	3/31	0	0.0	- -	- -							
Big Flat	3/31	44	13.4	17.0	17.2	3/31	2.58	3.49	13.10	16.39	80	
Merchant Valley	3/31	34	10.4	11.9	- -	3/31	3.03	3.01a	12.06	13.83a	87	
Otter Lake	3/31	36	10.5	13.9	13.9							
PAROWAN CREEK												
Birch Crossing	3/29	28	7.0	6.7	5.3a							
Brian Head	3/30	70	22.6	21.6	20.7a							
Ed Ward Flat	3/30	35	10.8	8.2	6.9							
Tall Poles	3/29	55	14.5	14.4	14.2a	3/29	2.55	3.18a	14.75	17.89a	82	
Yankee Reservoir	3/30	43	10.6	9.8	9.2	3/30	2.65	2.66	12.45	11.79	106	
COAL CREEK												
SUSC Ranch	3/29	18	7.8	10.1	5.4a							
ENTERPRISE TO NEW HARMONY DRAINAGES												
Little Grassy Creek	3/29	0	0.0	0.0	1.1b	3/29	.70	1.78b	11.35	13.03b	87	
Long Flat	3/29	19	6.7	11.2	4.8b	3/29	1.65	2.34b	10.02	10.95b	92	
COLORADO RIVER BASIN												
UPPER GREEN RIVER - UTAH												
Ashley Twin Lakes (A)		Data Delayed										
Black's Fork Junction	3/30	35	8.4	9.9	9.3b	3/30	2.50	2.28b	11.65	11.53b	101	
Buck Pasture (A)		Data Delayed										
Burnt Creek	3/25	23	6.0	4.4	- -	3/25	1.45	1.48b	8.80	9.01b	98	
East Fork-Black's Fork G.S.	3/30	32	8.0	10.3	9.4b	3/30	2.30	2.44b	11.37	11.87b	96	
Grizzly Ridge	3/25	36	11.3	8.6	- -	3/25	1.85	2.20b	12.35	13.44	92	
Henry's Fork (A)		Data Delayed										
Hewinta G.S.	3/30	34	8.6	10.3	9.9	3/30	2.82	2.55b	12.89	12.50b	103	
Hickerson Park	3/30	30	7.3	3.8	6.3b	3/30	1.80	1.64a	9.35	8.29a	113	
Highline Trail	3/30	50	13.6	13.0	- -							
Hole-in-the-Rock G.S.	4/2	0	0.0	0.0	2.0							
Hole-in-the-Rock	4/2	15	4.0	6.2	6.0							
King's Cabin (lower)	3/30	30	8.3	6.8	8.8							
King's Cabin (upper)	3/30	40	11.1	8.5	10.5	3/30	1.56	2.16	11.85	11.26	105	
Middle Beaver Creek	4/2	20	4.4	5.0	5.1							
Reynolds Park (A)		Data Delayed										
Spirit Lake	3/30	43	11.4	11.8	12.7b	3/30	2.60	2.65b	11.33	14.16b	80	
Steel Creek Park	3/30	60	16.1	17.2	15.8							
Trout Creek	3/30	44	11.9	6.9	- -	3/30	1.69	- -	13.68	- -	- -	
Windy Park (A)		Data Delayed										
DUCHESNE RIVER												
Atwood Basin (A)		Data Delayed										
Brown Duck Ridge	3/31	53	15.8	- -	- -	3/31	1.60	- -	12.99a	- -	- -	
Chepeta-Whiterocks Lakes (A)		Data Delayed										
Currant Creek	3/29	29	9.0	11.4	8.4	3/29	2.32	- -	13.28	13.62	98	
Daniels-Strawberry Summit	3/29	45	13.8	15.7	14.2	3/29	3.03	3.01	17.51	17.61	99	
East Portal	3/30	42	11.0	15.5	10.8	3/30	2.04	2.49b	16.41	18.17b	90	
Five Point Lake (A)		Data Delayed										
Indian Canyon	3/26	35	9.8	15.5	12.5	3/26	1.14	2.03b	12.38	13.28b	93	

SNOW

PRECIPITATION (Inches)

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
DUCHESNE RIVER (continued)											
Jackson Park	3/31	44	12.2	- -	- -						
Lakefork Basin (A)		Data Delayed									
Lakefork Mountain	3/31	35	9.1	13.8	11.1	3/31	1.47	2.02	11.51	12.24	94
Lakefork Mountain #2		Not Measured		9.3	7.4						
Lakefork Mountain #3	3/31	20	5.6	7.7	5.8						
Lake Basin	3/31	70	25.9	37.3	- -	3/31	2.47	- -	14.87	- -	- -
Lightning Lake (A)		Data Delayed									
Mosby Mountain	3/31	30	7.9	9.3	9.8	3/31	1.65	1.67a	10.54	10.83a	97
Paradise Park	3/31	44	12.8	12.8	12.0	3/31	1.85	1.94b	13.16	14.89b	88
Rock Creek Ranch	3/31	14	4.8	10.6	6.1						
Strawberry Divide	3/30	53	15.9	20.9	18.9						
PRICE RIVER											
Corral	3/29	17	5.0	12.5	7.3b						
Dry Valley Divide	3/30	30	8.2	12.4	9.2						
Gooseberry Reservoir	3/30	53	17.3	23.7	19.1	3/30	2.00	3.18	17.10	18.18	94
Grassy Trail-Left Fork	3/29	24	6.4	11.5	8.8b						
Jones Ranch	3/30	20	6.0	8.5	5.3						
Mud Creek #2	3/30	38	10.3	13.0	12.6	3/30	1.90	2.60b	11.80	14.20b	83
Timberline	3/29	35	9.1	15.1	14.1b						
White River #1	3/31	38	11.2	16.1	12.6	3/31	1.45	2.41	12.75	14.28	89
White River #2	3/31	25	7.6	11.5	7.5						
White River #3	3/31	20	6.4	11.4	6.5						
SAN RAFAEL RIVER											
Buck Flat	3/31	36	10.7	19.1	16.2	3/31	2.20	3.01	12.60	17.30	73
Huntington-Horseshoe	3/30	61	20.7	28.2	23.7b						
Orange Olsen	3/30	0	0.0	0.0	- -	3/30	.75	1.05a	3.70	8.98a	41
Red Pine Ridge	3/30	44	13.3	20.0	17.1b	3/30	2.80	3.49	16.10	20.31	79
Rush Pond	3/31	27	8.0	16.9	13.6						
Seeley Creek	3/31	32	10.8	16.8	15.7						
Stuart Ranger Station	3/30	16	5.4	9.6	7.0	3/30	- -	- -	9.55	12.16	78
Upper Joe's Valley	3/30	26	7.1	13.3	9.7						
Wrigley Creek	3/31	26	7.3	12.9	10.9						
MUDDY CREEK											
Black's Fork	3/29	31	10.3	15.9	13.2						
Dill's Camp	3/29	28	7.8	13.1	11.8	3/29	1.65	- -	9.95	14.33a	69
FREMONT RIVER											
Black's Flat-U.M. Creek	3/30	34	9.2	13.2	10.5	3/30	- -	2.81	10.68	12.15	88
Donkey Reservoir	3/29	26	6.4	9.2	7.2						
Fish Lake	3/30	23	7.0	10.6	5.8	3/30	1.77	1.82b	7.98	9.36b	85
Johnson Valley	3/30	23	5.8	8.7	6.3						
MILL CREEK											
LaSal Mountain (lower)	3/29	31	9.2	11.6	9.0						
LaSal Mountain (upper)	3/29	47	14.0	18.3	15.7	3/29	4.05	3.41b	14.55	15.67b	93
Monticello City Park		Data Delayed									
SAN JUAN RIVER											
Buckboard Flat	3/26	45	16.4	14.9	11.8	3/26	2.30	3.02	17.70	18.02	98
Camp Jackson	3/26	39	12.3	15.4	11.2	3/26	2.38	2.52b	16.08	15.92b	101
VIRGIN RIVER											
Kolob Crystal	3/30	44	15.5	25.9	- -						
Long Valley Junction	3/30	0	0.0	2.3	2.1						
Webster Flat	3/30	47	17.7	19.8	15.3	3/30	2.55	3.60	19.08	19.27	99
a - Partly Estimated b - Average of all past record - less than 15 years + - 1958-72 Average * - USU-SCS Cooperative Radio Reading											



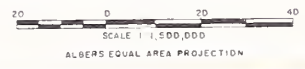
LEGEND

- State Boundary
- County Boundary
- SALT LAKE CITY
- State Capital
- County Seat (small town)
- Town Less Than 5000 Population
- Town 5000 to 25,000 Population
- Town Over 25,000 Population
- Towns of less than 5000, omitted from map unless incorporated or required for orientation purposes
- Lake or Reservoir
- Canal or Ditch
- Large Stream
- Small Stream
- Water Spreading
- Snow Data Measuring Site

SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1976



USGS National Atlas 1:1,000,000 Albers Equal-Area projection (1976) used as source for base map and adapted for SCS use.

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

GREAT BASIN DRAINAGE													
NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.	NO.	STATE	NAME	SEC.	TWP.	RGE.	ELEV.
UPPER BEAR RIVER (above Harer, Idaho)													
10G11	W	Big Fork	7	27N	117W	8,700	11J18P	U	Timpanogas Cave Camp	27	4S	2E	5,500
10J36P	W	Burts-Miller Ranch	19	3N	10E	7,900	11J21P	U	Timpanogas Divide	33	4S	8E	8,140
10G7	W	CCC Comp x	9	29N	118W	7,500	10J8P	U	Trial Lake	5	2S	9E	9,800
10J36p	U	Gold Hill	11	1N	9E	10,000							
10J7P	U	Hoyden Fork	25	1N	9E	9,400							
10G12	W	Kelly Ranger Station	19	26N	118W	9,200							
10G15	W	Lilly Light Guard Station x	33	30N	110W	9,300							
10J35P	W	Monte Cristo R.S.	34	11N	10E	9,300							
11H12P	U	Phney LaGrange x.	4	8N	4E	8,960	11J46Sp	U	Beaver Creek Divide	25	2S	7E	8,000
10G10	W	30N Meadows x	19	29N	114W	8,820	12J2	U	Beaver Creek Divide	25	2S	7E	8,000
10G6	W	Poison Meadows x	39	30N	116W	8,500	12J50	U	Beaver Creek Divide	25	2S	7E	8,000
10G8P	W	Salt River Summit x	32	29N	118W	7,900	12J51P	U	Beaver Creek Divide	25	2S	7E	8,000
10G13MP	U	Snider Basin x	15	29N	115W	8,400	12J52P	U	Beaver Creek Divide	25	2S	7E	8,000
10J7P	U	Stynderway Camp	32	2N	10E	8,550	11J16P	U	Beaver Creek Divide	25	2S	7E	8,000
LOWER BEAR RIVER (below Harer, Idaho)													
11H37P	U	Bug Lake	18	11N	5E	7,950	12K2P	U	Beaver Creek Divide	25	2S	7E	8,000
11H36P	U	Bunchgrass	5	13N	3E	8,400							
11G11	U	Christensen Ranch	25	13N	41E	7,600	12L4P	U	Beaver Creek Divide	25	2S	7E	8,000
11H38P	U	Cinnamon Creek	15	13N	41E	7,600	12N8	U	Beaver Creek Divide	25	2S	7E	8,000
12H11P	U	Crater Mountain	29	16N	2W	6,300	12M13P	U	Beaver Creek Divide	25	2S	7E	8,000
11G12	U	Cub River Ranger Station	5	16N	2W	6,300	12M4P	U	Beaver Creek Divide	25	2S	7E	8,000
11H33P	U	Curtis Creek	12	10N	4E	8,450	12M18	U	Beaver Creek Divide	25	2S	7E	8,000
11H39P	U	Deer Springs	34	10N	4E	8,400	12M18	U	Beaver Creek Divide	25	2S	7E	8,000
11G14a	U	Dry Basin	30	13S	42E	7,900	12M5	U	Beaver Creek Divide	25	2S	7E	8,000
11G24	U	Dry Creek Flat	31	13S	37E	6,350	11J9P	U	Beaver Creek Divide	25	2S	7E	8,000
11G6	U	Emigrant Summit	21	12S	42E	7,350	12L8P	U	Beaver Creek Divide	25	2S	7E	8,000
11G14P	U	Emigration Canyon (mouth)	24	12S	42E	6,500	12M1	U	Beaver Creek Divide	25	2S	7E	8,000
11G15P	U	Emigration Canyon (mouth)	24	12S	42E	6,500	12M7P	U	Beaver Creek Divide	25	2S	7E	8,000
11H2MP	U	Emigration Canyon (mouth)	24	12S	42E	6,500	12M9	U	Beaver Creek Divide	25	2S	7E	8,000
13H45P	U	George Peak	34 & 35	14N	4E	7,600	12L5	U	Beaver Creek Divide	25	2S	7E	8,000
12H2P	U	Hell Canyon	4	13N	4W	9,000	11M4P	U	Beaver Creek Divide	25	2S	7E	8,000
11H40p	U	Herd Hollow	4	11N	3E	7,000							
11G15a	U	Horseshoe Basin	31	13S	42E	8,000							
11H1MP	U	Klondike Narrows	10	14N	3E	7,400	11K13P	U	Beaver Dam	27	19S	3E	8,900
11G13	U	Liberty Narrows	7	13S	42E	8,240	11K11P	U	Farnsworth Lake	27 & 33	23S	2E	9,000
11G14	U	Little Bear (lower)	17	13S	42E	8,240	11K11P	U	G.B.R.C. Headquarters	27 & 33	23S	2E	9,000
11H25P	U	Little Bear (upper)	15	13N	1E	6,500	11K10	U	G.B.R.C. Meadows	26 & 27	17S	4E	10,000
11H6	U	Logan River	3	11N	2E	9,000	11J2P	U	Gooseberry R.S.	22	23S	2E	8,400
12G3	U	Oxford Mountain	32	13S	37E	6,800	11K3MP	U	Mammoth R.S.	13	13S	5E	8,800
11H46p	U	Paradise Canyon	36	10N	2E	7,650	11K24P	U	Middle Fork	19	19S	3E	8,600
11G5	U	Slug Creek Divide	15	10S	44E	7,225	11K12P	U	Middle Fork	19	19S	3E	8,600
11H27	U	Steep Hollow #1	7	14N	3E	8,500	11K2P	U	Oak Creek	9	17S	3W	7,760
11H28	U	Steep Hollow #2	9	14N	3E	7,700	11K39PS	U	Pickle Keep Springs	4	21S	3E	8,700
11G9	U	33S 41E	13S	41E	5,800	12L1PS	U	Pine Creek	24	22S	4W	8,700	
11G10	U	Strawberry Mink Divide	9	13N	3E	7,400	11K36	U	Rees's Flat	20	15S	2E	7,300
11H29	U	Tony Grove Ranch	15	13N	3E	7,400	12L11P	U	Shingle Mill	5	22S	3W	6,200
11H3M	U	Tony Grove Ranger Station	11	13N	3E	6,250	11K35	U	Thistle Flat	23	18S	3E	8,500
11H4P	U	Triana Springs	29	12N	4E	6,100							
11G4P	U	Willow Flat	2	15S	41E	6,100							
Muddy River													
									</				

COLORADO RIVER DRAINAGE

[illegible]

LEGEND	
Numbering System (example)	
1017	Snow Course Only
1017P	Snow Course and Precipitation Gage
1017M	Snow Course and Moisture Station
1017A	Snow Course and Aerial Marker
1017HA	Snow Course, Soil Moisture Station and Aerial Marker
10107P	Snow Course, Soil Moisture Station and Precipitation Gage
1017H	Snow Course, Soil Moisture Station Only
1017A	Snow Course, Aerial Marker Only
1017P	Snow Course, Precipitation Gage Only
1017PS	Snow Course, Precipitation Gage, Snow Pillow and Temperature

Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
Soil Conservation Service
Forest Service
U.S. Department of Commerce
NOAA, National Weather Service
U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

STATE AGENCIES

Utah State University
Utah Fish and Game Department
Utah State Department of Natural
Resources, Division of Water Rights
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti
Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

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mining and industry

*"The Conservation of Water begins
with the Snow Survey"*